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DATE MAILED: 04/10/2008

NOTICE OF ALLOWANCE AND FEE(S) DUE

21186 7590 64/10/2008 SCHWEGMAN, LUNDBERG & WOESSNER, P.A. P.O. BOX 2938

MINNEAPOLIS, MN 55402

EXAMINER
POTTER, ROY KARL
ART UNIT PAPER NUMBER

 APPELCATION NO.
 FILING DATE
 FIRST NAMED INVENTOR
 ATTORNEY DOCKET NO.
 CONFIRMATION NO.

 10074.923
 02/09/2004
 Qing Ma
 884.803US2
 8852

TITLE OF INVENTION: DIRECT BUILD-UP LAYER ON AN ENCAPSULATED DIE PACKAGE HAVING A MOISTURE BARRIER STRUCTURE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	07/10/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correct maintenance fee notifica	correspondence includir ed below or directed of tions	ng the Patent, advance onerwise in Block 1, by (rders and notification of a) specifying a new corre	maintenance fees v spondence address	will be ; and/o	mailed to the current r (b) indicating a sep	corres arate "I	pondence address a EE ADDRESS" fo
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
21186	7590 04/10			Ces	etificat	e of Mailing or Trans	missio	n
SCHWEGMAN, LUNDBERG & WOESSNER, P.A. P.O. BOX 2938 MINNEAPOLIS, MN 55402			.A. I be Sta add trar	I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stoy ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.				
								(Depositor's name)
								(Signature)
			L					(Date)
APPLICATION NO.	APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR		ATTORNEY DOCKET NO. C		CON	FIRMATION NO.
10/774,923	02/09/2004	•	Qing Ma			884.803US2		8852
TITLE OF INVENTION	: DIRECT BUILD-UP	LAYER ON AN ENCAP	SULATED DIE PACKAG	GE HAVING A MO	DISTUI	RE BARRIER STRUC	TURE	
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nonprovisional	NO	\$1440	\$300	\$0 \$1740		\$1740		07/10/2008
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	٦				
POTTER, F		2822	438-106000					
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563). Change of correspondence address (or Change of Correspondence Address form PTOSB/122) attached. "Fee Address' indication (or "Fee Address" Indication form PTOSB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(I) the names of up to or agents OR, alternati (2) the name of a sing registered attorney or 2 registered patent atto	printing on the patent front page, list				
PLEASE NOTE: Un recordation as set fort (A) NAME OF ASSI	less an assignee is ident h in 37 CFR 3.11. Comj GNEE	ified below, no assignee pletion of this form is NO	THE PATENT (print or ty data will appear on the p IT a substitute for filing an (B) RESIDENCE: (CIT)	astent. If an assign assignment. Y and STATE OR 0	COUN	TRY)		
Please check the appropr	iate assignee category or	categories (will not be p	rinted on the patent):	Individual UC	orporat	ion or other private gr	oup ent	ity Government
Advance Order -	No small entity discount p	permitted)	b. Payment of Fee(s): (Ple A check is enclosed. Payment by credit ca The Director is hereb overpayment, to Depo	rd. Form PTO-203 v authorized to cha	8 is atta	ached. required fee(s), any d	ficienc	
5. Change in Entity Sta	tus (from status indicate is SMALL ENTITY stati		☐ b. Applicant is no lor	nger claiming SMA	II EN	TITY status See 37 C	ER 12	7(a)(2)
			ed from anyone other than k Office.					
Authorized Signature				Date				
Typed or printed name			Registration !	No				
This collection of inform an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223	nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this bu 'irginia 22313-1450. DC 113-1450.	CFR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the D NOT SEND FEES OR	on is required to obtain or 1.14. This collection is es 7 depending upon the indi the Chief Information Offic COMPLETED FORMS T	retain a benefit by timated to take 12 vidual case. Any co er, U.S. Patent and O THIS ADDRES	the pub minute ommen Trader S. SEN	lic which is to file (an s to complete, including ts on the amount of ti mark Office, U.S. Dep D TO: Commissioner	d by the ng gath me you artmen for Pat	e USPTO to process ering, preparing, and require to complete t of Commerce, P.O. ents, P.O. Box 1450

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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/774,923	02/09/2004 Qing Ma		884.803US2	8852		
21186 75	90 04/10/2008		EXAM	INER		
SCHWEGMAN,	LUNDBERG & WO	POTTER, ROY KARL				
P.O. BOX 2938		ART UNIT	PAPER NUMBER			
MINNEAPOLIS, MN 55402			2822			
			DATE MAIL ED: 04/10/200	8		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)	
10/774,923	MA, QING	
Examiner	Art Unit	
Roy K. Potter	2822	

The MAILING DATE of this communication appears All claims being allowable, PROSECUTION ON THE MERITS IS (OR nerewith (or previously mailed), a Notice of Allowance (PTOL-85) or o NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHT of the Office or upon petition by the applicant. See 37 CFR 1.313 and	ther appropriate communication will be mailed in due course. THIS IS. This application is subject to withdrawal from issue at the initia
This communication is responsive to the amendment of 1/7/08.	
2. The allowed claim(s) is/are 20, 22-29, 31-34.	
3. ☐ Acknowledgment is made of a claim for foreign priority under a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have bee 2. ☐ Certified copies of the priority documents have bee 3. ☐ Copies of the certified copies of the priority documents have bee international Bureau (PCT Rule 17.2(a)). * Certified copies not received: ☐ Applicant has THREE MONTHS FROM THE "MALING DATE" of the noted below. Failure to timely comply will result in ABANDONMENT THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	en received. In received in Application No In received in Application No In this national stage application from the stage application f
 A SUBSTITUTE OATH OR DECLARATION must be submitted INFORMAL PATENT APPLICATION (PTO-152) which gives re 	
CORRECTED DRAWINGS (as "replacement sheets") must be (a)	Patent Drawing Review (PTO-948) attached nendment / Comment or in the Office action of s) should be written on the drawings in the front (not the back) of
each sheet. Replacement sheet(s) should be labeled as such in the h DEPOSIT OF and/or INFORMATION about the deposit of attached Examiner's comment regarding REQUIREMENT FOR	of BIOLOGICAL MATERIAL must be submitted. Note the
Attachment(s) . ☐ Notice of References Cited (PTO-892)	5. Notice of Informal Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary (PTO-413),
B. ☐ Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Date 7. ☐ Examiner's Amendment/Comment
Paper No./Mail Date	8. Examiner's Statement of Reasons for Allowance
of Biological Material	9. 🔲 Other
	/Roy K Potter/ Primary Examiner, Art Unit 2822